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DSSD CENSUS 2000 PROCEDURES AND OPERATIONS MEMORANDUM SERIES V-6

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Subject: Accuracy and Coverage Evaluation: Coverage Correction Factors
and Standard Errors for the 448 Post-strata

We are providing an Excel spreadsheet containing the estimated coverage correction factors (CCFs), the standard errors for the 448 post-strata, and the corresponding covariance matrix. These files are included on CD-DSSD-COMM-11.

The Excel spreadsheet, CCF448.XLS, contains one row of data for each of the 448 post-strata. For a given post-stratum, the following key defines each variable and its column location in the Excel spreadsheet.

Key: Contents of Spreadsheet, CCF448.XLS

Variable	Column	Description
Post-stratum code	A	a grouping of individuals with similar census inclusion probabilities. The first two digits correspond to one of the 64 post-stratum groups in Table 1. The last digit corresponds to one of the seven age/sex groups in Table 2.
CCF	B	a measure of correction to assess the degree of net overcount or net undercount of the household population within the Census. The coverage correction factor for a post-stratum is the ratio of the dual system estimate to the census count.
SE(CCF)	C	the standard error of the coverage correction factor—a measure of the sampling variability of the coverage correction factor.

Table 1 shows the 64 post-stratum groups for the 2000 A.C.E. Nine variables define the 64 post-stratum groups: race, Hispanic origin, age, sex, tenure, Metropolitan Statistical Area, type of enumeration area, return rate, and region. Within each post-stratum group, there are seven age/sex groups (See Table 2.) Thus, there are $64 \times 7 = 448$ post-strata. See Haines (2001) for more details.

These 448 post-strata have separate CCFs except when post-strata have been collapsed. For example, we collapsed post-strata 062, 064, and 066, together. Hence, they have an identical CCF and standard error of the CCF. See Davis (2001) for a list of collapsed post-strata for dual system estimation.

The standard errors in the spreadsheet are based on the 448 covariance matrix as documented in Starsinic (2001) and included on the CD-ROM as an ASCII file called VCF448US.DAT.

References

Davis, P. P., "Accuracy and Coverage Evaluation: Dual System Estimation Results," DSSD Census 2000 Procedures and Operations Memorandum Series B-9*, U.S. Census Bureau, Washington, D.C., 2001.

Haines, D., "Accuracy and Coverage Evaluation Survey: Computer Specifications for Person Dual System Estimation (U.S.)," DSSD Census 2000 Procedures and Operations Memorandum Series Q-37, U.S. Census Bureau, Washington, D.C., 2001.

Starsinic, M., "Accuracy and Coverage Evaluation: Specifications for Covariance Matrix Output Files from Variance Estimation for Census 2000," DSSD Census 2000 Procedures and Operations Memorandum Series V-4, U.S. Census Bureau, Washington, D.C., 2001.

Table 1: Census 2000 A.C.E. - 64 Post-Stratum Groups

Race/Origin Domain Number*		Tenure	MSA/TEA	High Return Rate				Low Return Rate			
				N	M	S	W	N	M	S	W
Domain 7 (Non-Hispanic White or "Some other race")		Owner	Large MSA MO/MB	01	02	03	04	05	06	07	08
			Medium MSA MO/MB	09	10	11	12	13	14	15	16
			Small MSA & Non-MSA MO/MB	17	18	19	20	21	22	23	24
			All Other TEAs	25	26	27	28	29	30	31	32
		Non-Owner	Large MSA MO/MB	33				34			
			Medium MSA MO/MB	35				36			
			Small MSA & Non-MSA MO/MB	37				38			
			All Other TEAs	39				40			
Domain 4 (Non-Hispanic Black)		Owner	Large MSA MO/MB	41				42			
			Medium MSA MO/MB								
			Small MSA & Non-MSA MO/MB	43				44			
			All Other TEAs								
		Non-Owner	Large MSA MO/MB	45				46			
			Medium MSA MO/MB								
			Small MSA & Non-MSA MO/MB	47				48			
			All Other TEAs								
Domain 3 (Hispanic)		Owner	Large MSA MO/MB	49				50			
			Medium MSA MO/MB								
			Small MSA & Non-MSA MO/MB	51				52			
			All Other TEAs								
		Non-Owner	Large MSA MO/MB	53				54			
			Medium MSA MO/MB								
			Small MSA & Non-MSA MO/MB	55				56			
			All Other TEAs								
Domain 5 (Native Hawaiian or Pacific Islander)		Owner	57								
		Non-Owner	58								
Domain 6 (Non-Hispanic Asian)		Owner	59								
		Non-Owner	60								
American Indian or Alaska Native	Domain 1 (On Reservation)	Owner	61								
		Non-Owner	62								
	Domain 2 (Off Reservation)	Owner	63								
		Non-Owner	64								

For Census 2000, persons can self-identify with more than one race group. For post-stratification, persons are included in a single Race/Origin domain. This does not change a person's actual response and all persons will be tabulated based on their actual response in the census.

Table 2: Census 2000 A.C.E. - 7 Age/Sex Groups

Age	Male	Female
Under 18	1	
18 to 29	2	3
30 to 49	4	5
50+	6	7